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# Free-Stall Dairy Barns

COOPERATIVE
FARM BUILDING
PLAN EXCHANGE

PLAN NUMBERS 6196, 6218, 6281, AND 6292

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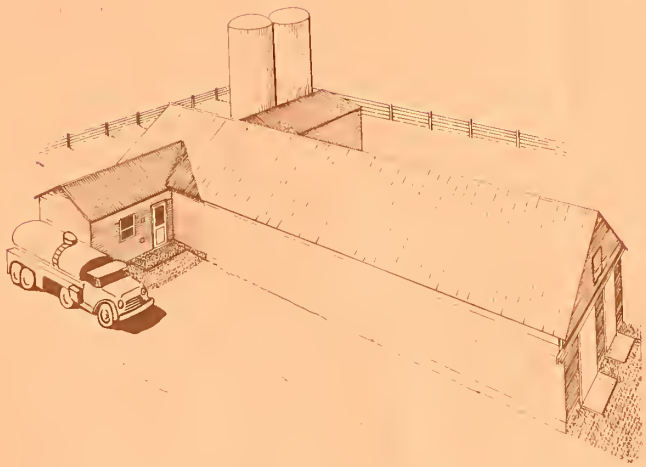
Free-stall dairy barns are popular and practical structures for housing dairy cattle. Generally, these barns help prevent mastitis and reduce housing-related cattle injuries and human labor requirements. Such reductions could offset the expense of building and maintaining warm types of units usually found in cold climates.

Plan 6196 features a partly open housing system with the feeding area on a south-facing open side. The plan shows only a milking area, milk room, and utility room. It was designed for the Northeast, but it is suitable for use elsewhere.

Plans 6218, 6250, and 6281 are designs for cold types of free-stall barns often used in warm climates. The plans have natural ventilation systems consisting of eave and ridge openings in combination with wall openings. Plan 6218 features a holding area (with flush tank) leading to a rotary milking system. Plan 6250 has only the housing space, since it was designed for areas where outside feeding may be possible or desirable. Plan 6281 includes all facilities in its design, including milking and maternity spaces.

Plan 6292 displays a warm type of dairy barn. Its ventilation system consists of a slot inlet and multiple fan exhausts. This plan also includes all facilities in its design.

The size and details of building any of these barns would be governed by the equipment selected and by applicable health regulations. Before building, you should consult health authorities who control milk sales in your area. They may have special requirements.



Complete working drawings may be obtained from the Extension agricultural engineer at your State university. A small charge may be made to cover the cost of printing.

If you do not know the location of your State university, send your request to Agricultural Engineer, Extension, Science and Education Administration, U.S. Department of Agriculture, Washington, D.C. 20250. Your request will be sent to the appropriate university. ***Order plan 6196, 6218, 6250, 6281, or 6292 for "Free-Stall Dairy Barns."***

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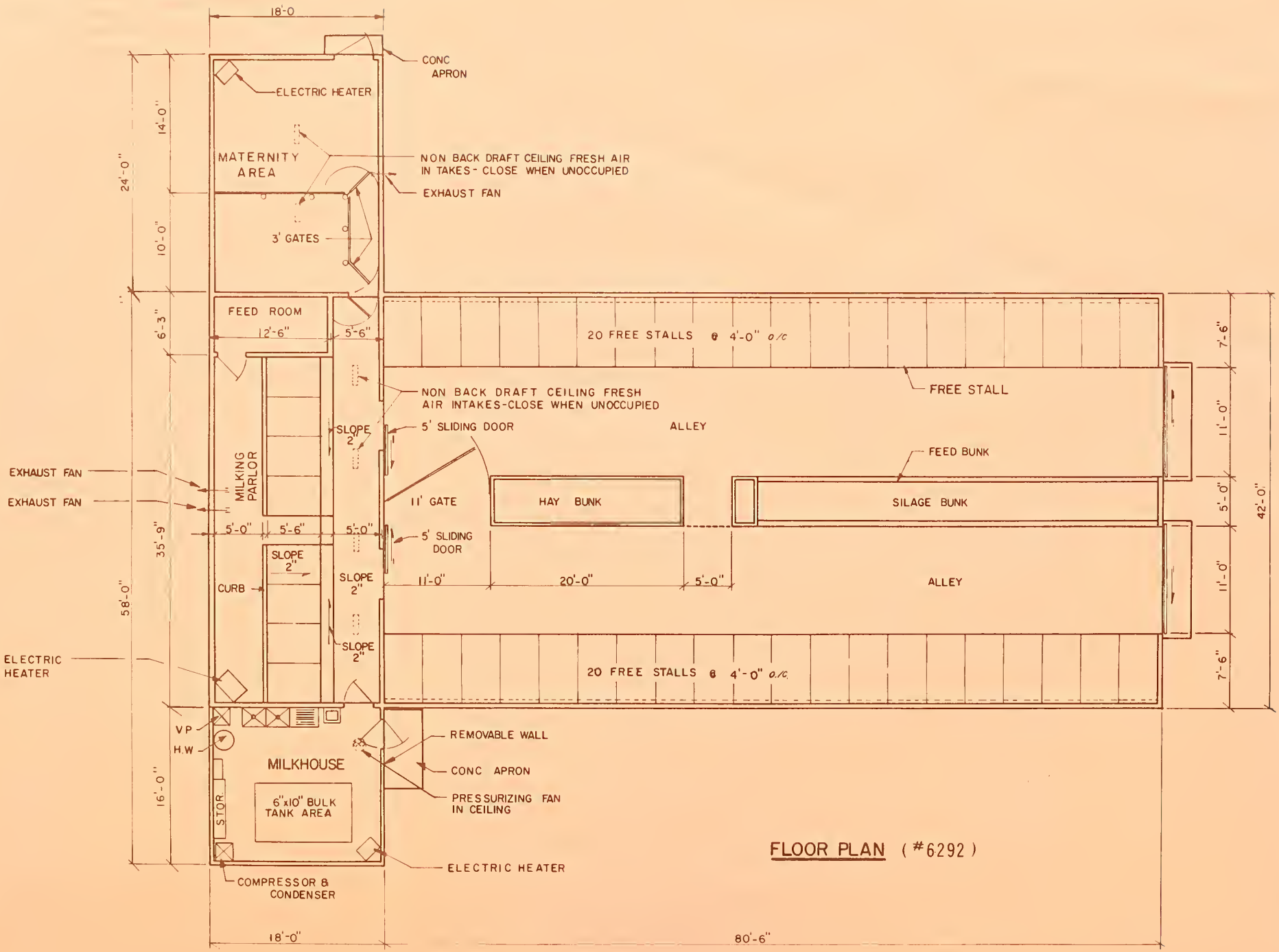


FLOOR PLAN (#6292)

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